

Material Safety Data Sheet

WOOD DUST
QUICK IDENTIFIER (In Plant Common Name)

Manufacturer's Name	PLUM CREEK MANUFACTURING, L.P.	Emergency Telephone No.	(406) 892-2141
Address	500 12th Ave. West P.O. BOX 160 Columbia Falls, MT 59912	Other Information Calls	(406) 892-6312
Signature of Person Responsible for Preparation	<i>Dona C. Jeffries</i>	Date Prepared	JULY 1, 1994

SECTION 1 - IDENTTTTY

Common Name(s) (used on label) (Trade Name & Synonyms)	WOOD DUST SANDER DUST	Cas No.	NONE
Chemical Name	SOFTWOOD DUST	Chemical Family	N/A

Formula MAY CONSIST OF THE FOLLOWING SPECIES: PONDEROSA PINE, LODGEPOLE PINE, IDAHO WHITE PINE, DOUGLAS FIR, ALPINE FIR, WESTERN LARCH, ENGLEMAN SPRUCE, WESTERN RED CEDAR, GRAND FIR, WHITE BARK PINE, MOUNTAIN HEMLOCK

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	%	Threshold Limit Value (units)
WOOD DUST	100%	5.0 mg/m ³
WESTERN RED CEDAR	100%	2.5 mg/m ³

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	0.40-0.80 DEPENDENT ON SPECIE	Vapor Pressure (mm Hg)	N/A
Percent Volatile by Volume (%)	N/A	Vapor Density (Air = 1)	N/A	Evaporation Rate (_____ = 1)	N/A
Solubility in Water	INSOLUABLE	Reactivity in Water	NONE		
Appearance and Odor	LIGHT BROWN OR BUFF COLORED GRANULAR SOLID. SLIGHTLY AROMATIC. COLOR AND ODOR ARE DEPENDENT ON THE WOOD SPECIES				

Flash Point	N/A	Flammable Limits in Air % by Volume	Lower 40 g/m ³	Upper	Extinguisher Media	Water CO ₂ Sand	Auto-Ignition Temperature	425° - 475° F
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Special Fire Fighting Procedures USE WATER TO THOROUGHLY SATURATE WOOD DUST. REMOVE ANY CHARRED MATERIAL TO AN OPEN SECURE AREA TO ENSURE ALL FIRE IS EXTINGUISHED.

Unusual Fire and Explosion Hazards DEPENDING ON MOISTURE CONTENT, HUMIDITY, PARTICLE SIZE AND AIRBORNE CONCENTRATION.
WOOD DUST GENERATED FROM SAWING, SANDING, MACHINING, ETC. MAY EASILY IGNITE OR EXPLODE.

SECTION 4 - PHYSICAL HAZARDS

Stability ☐ Unstable ☒ Stable ☐ Conditions to Avoid ☒ TEMPERATURES IN EXCESS OF 400°F AND OPEN FLAMES OR SPARKS. WOOD DUST MAY AUTO IGNITE AT TEMPERATURES IN EXCESS OF 400°F. PYROLYSIS MAY OCCUR AT LOWER TEMPERATURES.

Incompatibility (Materials to Avoid) AVOID CONTACT WITH OXIDIZERS OR DRYING OILS.

Hazardous Decomposition Products INCLUDE CARBON MONOXIDE, ALDEHYDES, ROSIN ACIDS, TURPINES, OTHER TOXIC FUMES AND GASES.

Hazardous Polymerization ☐ May Occur ☒ Will Not Occur ☐ Conditions to Avoid ☒ WOOD DUST WILL NOT POLYMERIZE

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value 5.0 mg/m³ TWA; 10.0 mg/m³ STEL

Signs and Symptoms of Exposure 1. Acute Overexposure WOOD DUST IS A MECHANICAL IRRITANT TO EYES. EXCESSIVE DUST CONCENTRATIONS MAY DEPOSIT IN NASAL PASSAGES CAUSING NASAL DRYNESS, COUGHING AND SNEEZING. EYE IRRITATION MAY OCCUR.

2. Chronic Overexposure MAY CAUSE DERMATITIS FOLLOWING PROLONGED SKIN CONTACT. RESPIRATORY SENSITIZATION MAY OCCUR FROM PROLONGED EXPOSURE TO WESTERN RED CEDAR IN EXCESSIVE CONCENTRATIONS. SOME HARDWOOD DUSTS HAVE BEEN REPORTED BY SOME OBSERVERS TO BE ASSOCIATED WITH NASAL CANCER.

Medical Conditions Generally Aggravated by Exposure PRE-EXISTING RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY REPEATED OR PROLONGED

EXPOSURE TO WOOD DUST IN EXCESS OF ALLOWABLE LIMITS.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes ☐ No ☒ IARC Monographs Yes ☐ No ☒ OSHA Yes ☐ No ☒

OSHA Permissible Exposure Limit 5.0 mg/m³ WOOD DUST
2.5 mg/m³ WESTERN RED CEDAR ACGIH Threshold Limit Value 1.0 mg/m³
Other Exposure Limit Used 10 mg/m³ 15-min STEL

Emergency and First Aid Procedures

1. Inhalation EXPOSURE TO EXCESSIVE CONCENTRATIONS MAY CAUSE UNPLEASANT DEPOSITION IN THE NASAL PASSAGE RESULTING IN DRYNESS, COUGH AND HEADACHE. AVOID BREATHING DUST. REMOVE FROM EXPOSURE.
2. Eyes MAY MECHANICALLY IRRITATE EYES RESULTING IN REDNESS OR WATERING. FLUSH WITH CLEAN WATER TO REMOVE PARTICLES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
3. Skin MAY ELICIT CONTACT DERMATITIS IN SENSITIZED INDIVIDUALS OR CAUSE ERYTHEMA FROM MECHANICAL IRRITATION. IF IRRITATION OR DERMATITIS DEVELOPS, SEEK MEDICAL ATTENTION.
4. Ingestion N/A

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) NIOSH/MSHA APPROVED DUST RESPIRATOR

Ventilation PROVIDE Local Exhaust AT SOURCE Mechanical (General) AS NEEDED Special N/A Other N/A

Protective Gloves RECOMMENDED Eye Protection SAFETY GLASSES OR GOGGLES

Other Protective Clothing or Equipment PROTECTIVE OUTER LAYER MAY BE DESIRABLE IN EXTREMELY DUSTY AREAS.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage STORE IN COOL, DRY PLACE AWAY FROM OPEN FLAME, SPARKS OR HOT SURFACES.

Other Precautions STATIC ELECTRICITY MAY BE SUFFICIENT TO IGNITE SUSPENDED WOOD DUST.

NOT RECOMMENDED AS AN ABSORBENT MATERIAL. SANDER DUST IS EXTREMELY COMBUSTIBLE.

Steps to be Taken in Case Material is Released or Spilled VACUUM, SWEEP OR SHOVEL TO MINIMIZE DUST GENERATION. PROVIDE ADEQUATE VENTILATION.

USE NIOSH APPROVED DUST RESPIRATOR AND GOGGLES TO CONTROL EXPOSURE.

Waste Disposal Methods DISPOSE ACCORDING TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.



CAUTION
THESE LUMBER PRODUCTS CONTAIN WOOD DUST

Sawing, sanding, or machining wood products may create wood dust concentrations which can cause a flammable or explosive hazard in the presence of an ignition source.

Breathing wood dust may be irritating to the eyes, nose, and throat. Some wood species may cause skin irritation, others may cause dermatitis and/or respiratory allergic effects in some individuals.

- Minimize dust generation by engineering controls
- Vacuum or sweep dust for clean up, recovery and disposal
- Avoid dust contact with ignition sources
- Avoid repeated or prolonged breathing of wood dust
- Avoid dust contact with skin and eyes

First Aid: If inhaled, remove to fresh air. In case of contact, flush skin and eyes with water. If irritation persists, call a physician.

For additional information, see the material safety data sheet or write or call us at P.O. Box 160, Columbia Falls, MT 59912. Phone: (406) 892-6312.

This label and its warnings are provided in accordance with provisions of OSHA's Haz Comm Standard 29 CFR 1910.1200.



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